ACM MM'23 - Facial Micro-Expression Grand Challenge

Website: https://megc2023.github.io

Important Dates

Challenge:

Submission Deadline:
TBD

Notification:
TBD

Camera-Ready:
TBD

Organizing Chairs

Adrian K. Davison
Manchester Metropolitan University

Jingting Li
Chinese Academy of Sciences

Moi Hoon Yap
Manchester Metropolitan University

John See
Heriot-Watt University Malaysia

Xiaobai Li
University of Oulu

Wen-Huang Cheng
National Taiwan University

Xiaopeng Hong
Harbin Institute of Technology

Su-Jing Wang
Chinese Academy of Sciences

Advisory panel

Xiaolan Fu
Chinese Academy of Sciences

Guoying Zhao
University of Oulu

Micro-facial expressions (MEs) are involuntary movements of the face that occur spontaneously in a high-stakes environment. Computational analysis and automation of tasks on micro expressions is an emerging area in face research, with a strong interest appearing as recent as 2014. While much research has been done on short videos, there has been not many attempts to spot micro-expressions on long videos. Due to the weak and transient nature of MEs, it is difficult for models to distinguish it from other types of facial actions. Therefore, ME in long videos is a challenging task, and the current performance cannot meet the practical application requirements. This challenge is organized with the aim of promoting interactions between researchers and scholars from within this niche area of research, and also those from broader, general areas of computer vision and psychology research.

TASK DESCRIPTION

In recent years, several long-video micro-expression databases have been published by the academic community, such as CAS(ME)2, SAMM Long Videos, CAS(ME)3 and 4DME; the last two being the most recently established large-scale datasets. In this challenge, we use these four datasets for the task of **micro- and macro-expression spotting**.

This year, in order to evaluate algorithms' performance more fairly, we will build an unseen cross-cultural long-video test set and the sample size will be tripled from last year's challenge. All participating algorithms are required to run on this test set and submit their results.

EVALUATION PROTOCOL

Participant should test the proposed algorithm on the unseen dataset and upload the result to the Leaderboard (TBD) for the evaluation.

SUBMISSIONS

Detail of the workshop and the challenge can be found in the https://megc2023.guthub.io.

Challenge submissions should be accompanied by a paper submission.

The paper format should adhere to the paper submission guidelines for ACM MULTIMEDIA 2023: https://www.acmmm2023.org/instructions/

Submission website: TBD